Windows®. Life without Walls™. Panasonic recommends Windows.

THE TOUGHBOOK U1

The rugged, ultra-lightweight PC that fits in the palm of your hand.

In your world, a handheld is judged on more than just portability. The Panasonic Toughbook® U1 is a new kind of mobile computer, a lightweight, rugged mobile office with hot-swappable twin batteries for extended productivity. It allows you to take your desktop applications mobile—with Windows® XP or Vista,® just load your software onto the U1 and start working. There's no need to customize or maintain abbreviated software versions for handheld use. It also has seemingly endless integrated options like GPS, mobile broadband, a 2MP camera and fingerprint and barcode readers, making it much more than just a laptop. As the first MIL-STD-810G certified[1] handheld, with a 6-foot drop and IP65 certified[1] design, the Panasonic Toughbook U1 is built to survive your tough world.

IP65

6-FOOT DROP RATING

MIL-STD-810G

The first MIL-STD-810G certified handheld PC[1]

TOUGHBOOK®

Panasonic ideas for life

Windows®. Life without Walls™. Panasonic recommends Windows.

THE PANASONIC TOUGHBOOK U1.

DURABILITY FEATURES
- MIL-STD-810G certified (6' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, salt fog)[1]
- MIL-STD-461F certified (requires special model)[1]
- IP65 certified sealed all-weather design[1]
- UL1604 class I, division 2, groups ABCD certified model
- CCX Certified v4
- Magnesium alloy chassis encased with ABS and elastomer
- Removable solid state drive[2]
- Pivoting hand strap

SOFTWARE
- Genuine Windows Vista® Business (with XP downgrade option)
- Setup, Diagnostics, PC Information Viewer, Online Reference Manual, Adobe® Reader, Panasonic Handwriting, Keyboard Button Manager, Full Screen Zoom, Hard Disk Data Erase Utility, Recovery DVD

CPU
- Intel® Atom™ Processor Z520
- Processor speed 1.33GHz
- 512KB L2 cache
- 533MHz FSB

STORAGE & MEMORY
- 1024MB SDRAM (DDR2)[3]
- 16GB solid state removable drive (32GB SSD optional)[2]

DISPLAY
- 5.6" widescreen 1024 x 600 WSVGA sunlight-viewable touchscreen
- External video support up to 1280 x 768 at 16 million colors
- Intel® SCH (GMA 500 video controller) max. 256MB UMA VRAM[4]
- Anti-glare, anti-reflective screen treatments
- LED backlighting

AUDIO
- Analog Devices AD1883 compliant audio codec
- Intel® high definition audio compliant
- Integrated speaker
- Convenient keyboard volume and mute controls

KEYBOARD & INPUT
- Touchscreen LCD
- Integrated stylus holder (x 2)
- 61-key with dedicated Windows® key and keyboard lock
- Zoom (in/out) and scroll (up/down) buttons
- 4 user-defined programmable buttons

EXPANSION SLOTS
- SD card (SDHC)
- Optional magnetic stripe reader (with mini-dock)
- Optional SmartCard reader (with mini-dock)

INTERFACE

• Mini-dock connector	Dedicated 19-pin
• Headphones/speaker	Mini-jack stereo
• Microphone/line in	Mini-jack stereo
• USB 2.0 (x 1)	4-pin
• Optional Ethernet (RJ-45)	With mini-dock
• Optional serial	With mini-dock

WIRELESS
- Optional integrated Gobi™ mobile broadband
- Intel® Wireless Wi-Fi Link 5100 802.11a/b/g/draft-n
- Bluetooth® v2.0 + EDR (Class 1)
- Security
  - – Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
  - – Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
- Slide on/off switch

POWER SUPPLY
- Twin hot-swappable lithium ion battery packs (7.2V, 2900mAh each)
- Battery operation: 9 hours[5]
- Battery charging time: 7 hours off, 10 hours on[5]
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply
- Pop-up, on-screen battery status reporting

POWER MANAGEMENT
- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS

SECURITY FEATURES
- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slots (x 2)
- Trusted platform module (TPM) security chip v.1.2 (on select models)
- Computrace® theft protection agent in BIOS[6]
- Optional fingerprint reader
- Optional SmartCard reader (with mini-dock)

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 5.9" (L) x 7.2" (W) x 2.2" (H)
- 2.3 lbs. (with strap and both batteries)

INTEGRATED OPTIONS[7]
- Choice of 1D, 2D barcode or RFID reader[8]
- Gobi™ mobile broadband (EV-DO Rev. A, HSPA)
- 2.0MP camera with auto focus and dual LED light
- 32GB solid state drive (SSD)
- Global positioning system (GPS) receiver
- Fingerprint reader

- *The first MIL-STD-810G certified handheld PC[1]*
- *Windows® XP or Vista®*
- *6-foot drop and IP65 certified[1]*
- *Hot-swappable twin batteries provide 9 hours of battery life*
- *Optional built-in barcode, RFID and fingerprint readers, camera and GPS*
- *Sunlight-viewable display with zoom control*
- *Wi-Fi, Bluetooth® and optional Gobi™ WWAN*

ACCESSORIES[7]

• AC Adapter (3-pin)	CF-AA1633AM
• 4-bay Battery Charger	CF-VCBU11U
• Lithium Ion Battery Pack	CF-VZSU53W
• Touchscreen Replacement Stylus	CF-VNP003U
• InfoCase U1 Holster	TMU1-HLSTR-P
• InfoCase U1 Harness	TMU1-HRNS-P
• InfoCase U1 Harness Clear Cover	TMU1-CLRCVR-P
• InfoCase U1 Strap	TMU1-MS-P
• InfoCase U1/H1 Battery Pouch	TMU1-BP-P
• External USB Combo Drive	CF-VDRRT3U
• External USB Floppy Drive	CF-VFDU03U
• Desktop Cradle / Spare 2-bay Battery Charger	CF-VEBU11U
• Magnetic Stripe Reader Mini-dock	CF-VCRU11U
• Serial/Ethernet/SmartCard Mini-dock	CF-VEBU12U
• Serial/Ethernet Mini-dock	CF-VEBU13U
• Havis Docking Station (no pass-through)	DS-PAN-301
• Havis Docking Station (dual pass-through)	DS-PAN-301-2
• Havis Docking Cradle (no electronics)	DS-PAN-302
• 5.6" LCD Protector Film	CF-VPF12U

Please consult your reseller or Panasonic representative before purchasing.

[1] Tested by a national independent third party test lab following MIL-STD-810G Method 516.6 Procedure IV for transit drop test and IEC 60529 Sections 13.4, 13.6.2, 14.2.5 and 14.3 for IP65.
[2] Hard drive removal should only be attempted by a technician with the proper equipment.
[3] Total usable memory will be less depending upon actual system configuration.
[4] Max with standard RAM. The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM.
[5] Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2005.
[6] Requires software and activation to enable theft protection.
[7] Accessories and Integrated Options may vary depending on your configuration.
[8] Please consult your reseller or Panasonic representative for RFID availability.

1.800.662.3537 / panasonic.com/toughbook/U1

Financing options now available from Panasonic Finance Solutions; please call number above for more details.

Panasonic is constantly enhancing product specifications and accessories. Specifications subject to change without notice. Trademarks are property of their respective owners. ©2009 Panasonic Corporation of North America. All rights reserved.

Panasonic ideas for life

cisco Compatible

FROST & SULLIVAN 2009 BEST PRACTICES AWARD GLOBAL LAPTOP & MOBILE COMPUTING PRODUCT INNOVATION AWARD

TOUGHBOOK®

ssU1 10/09